ABSTRACT

GAS STORAGE AND DISPENSING SYSTEM COMPRISING REGULATOR INTERIORLY DISPOSED IN FLUID CONTAINMENT VESSEL AND ADJUSTABLE IN SITU THEREIN

A gas storage and dispensing system comprising a vessel for holding a gas at a desired pressure. The vessel has a gas pressure regulator in its interior volume, to maintain pressure of dispensed gas at a desired pressure determined by the set point of the regulator. A second gas pressure regulator may be joined in series gas flow communication with the first gas pressure regulator, with the second gas pressure regulator being in initial contact with gas that is dispensed prior to its flow through the first gas pressure regulator, and with the set point pressure of the second gas pressure regulator geing at least twice the set point pressure of the first gas pressure regulator.